

## CLAIM AMENDMENTS

Please amend Claims 8, 9, 11 and 13 as follows.

1.-7. (Cancelled)

8. (Currently Amended) A liquid crystal apparatus, comprising:

a liquid crystal device comprising an active matrix substrate having thereon a plurality of signal lines arranged in columns, a plurality of scanning lines arranged in rows, and pixel electrodes each connected via a pixel switch to an intersection of the signal lines and the scanning lines so as to supply picture signals to the pixel electrodes via the signal lines, a counter substrate disposed opposite to the active matrix substrate, and a liquid crystal disposed between the active matrix substrate and the counter substrate, and

drive means for driving the liquid crystal device, wherein said drive means includes:

a first common signal line ~~and a second common signal line~~ for supplying [[the]] picture signals of one polarity to each of the plurality of signal lines,

~~picture signal-supplying means a second common signal line~~ for supplying picture signals of ~~one polarity to the first common signal line and picture signals of the other polarity to the second common signal line~~ each of the plurality of signal lines.

~~a first transfer switches each for connecting a respective column signal line~~  
with the first common signal line for selectively supplying ~~one of~~ the picture signals of one  
polarity to the ~~column~~ signal line, and

~~a second transfer switches each for connecting a respective column~~ ~~[[the]]~~  
signal line with the second common signal line for selectively supplying ~~one of~~ the picture  
signals of the other polarity to the ~~column~~ signal line, wherein ~~each respective column~~ ~~the~~ signal  
line is connected to ~~a respective~~ ~~the~~ first transfer switch and ~~a respective~~ ~~the~~ second transfer  
switch, and

column inversion drive means for:

in a first frame, selectively turning on the first transfer switch ~~[[es]]~~ for  
~~odd-numbered column signal lines and the second transfer switches for even-numbered column~~  
~~signal lines~~ ~~the signal line~~, and in a second frame, selectively turning on the second transfer  
switch ~~[[es]]~~ for ~~odd-numbered column signal lines and the first transfer switches for~~  
~~even-numbered column signal lines~~ ~~the signal line~~.

9. (Currently Amended) A liquid crystal apparatus, comprising:

a liquid crystal device comprising an active matrix substrate having  
thereon a plurality of signal lines arranged in columns, a plurality of scanning lines arranged in  
rows, and pixel electrodes each connected via a pixel switch to an intersection of the signal lines  
and the scanning lines so as to supply picture signals to the pixel electrodes via the signal lines, a  
counter substrate disposed opposite to the active matrix substrate, and a liquid crystal disposed  
between the active matrix substrate and the counter substrate, and

drive means for driving the liquid crystal device, wherein said drive means includes:

a first common signal line ~~and a second common signal line~~ for supplying the picture signals of one polarity to each of the plurality of signal lines,

a second common signal line ~~picture signal-supplying means~~ for supplying picture signals of one polarity to the first common signal line and picture signals of the other polarity to the ~~second common signal line~~ each of the plurality of signal lines,

a first transfer switches ~~each~~ for connecting a respective column-signal line with the first common signal line for selectively supplying one of the picture signals of one polarity to the column-signal line, and

a second transfer switches ~~each~~ for connecting a respective column-signal line with the second common signal line for selectively supplying one of the picture signals of the other polarity to the column-signal line, wherein ~~each respective column~~ the signal line is connected to ~~a respective~~ the first transfer switch and ~~a respective~~ the second transfer switch, and

dot inversion drive means for:

in a first frame, selectively turning on the first transfer switch ~~[[es]]~~ for odd-numbered column signal lines and the second transfer switches for even-numbered column signal lines at the time of scanning odd-numbered scanning lines the signal line at a first timing, and selectively turning on the second transfer switch ~~[[es]]~~ for odd-numbered column signal lines and the first transfer switches for even-numbered column signal lines at the time of scanning

~~even-numbered scanning lines~~the signal line at a second timing different from the first timing;  
and

in a second frame, selectively turning on the second transfer switch[[es]]  
for odd-numbered column signal lines and the first transfer switches for even-numbered column  
signal lines at the time of scanning odd-numbered scanning lines, and selectively turning on the  
first transfer switches for odd-numbered column signal lines and the second transfer switches for  
even-numbered column signal lines at the time of scanning even-numbered scanning lines the  
signal line at a third timing, and selectively turning on the first transfer switch for the signal line  
at a fourth timing different from the third timing.

10. (Currently Amended) A liquid crystal apparatus according to Claim 8 or  
9, wherein the first transfer switch[[es]] comprises a transistor of a first conductivity type and the  
second transfer switch[[es]] comprises a transistor of a second conductivity type different from  
the first conductivity type.

11. (Currently Amended) A liquid crystal apparatus according to Claim 8 or  
9, ~~wherein the further comprising~~ picture signal-supplying means ~~includes including~~ first and  
second picture signal-generating means for generating positive-polarity picture signals and  
negative-polarity picture signals, respectively, supplied to the first and second common signal  
lines, respectively; ~~wherein~~ the first picture signal generating means generates picture signals in a  
range between a highest voltage and a central voltage supplied to the pixel electrodes; the second  
picture signal-generating means generates picture signals in a range between the central voltage

and a lowest voltage supplied to the pixel electrodes; the first and second picture signal-generating means are operated at different supply voltages; the supply voltages for the first picture signal-generating means are set to be the highest voltage +  $\alpha$  and the central voltage -  $\alpha$ ; and the supply voltages for the second picture signal-generating means are set to be the central voltage +  $\alpha$  and the lowest voltage -  $\alpha$ , wherein  $\alpha$  denotes  $\alpha$  voltage lowering margin due to an internal resistance in the picture signal-generating means.

12. (Original) A liquid crystal apparatus according to Claim 11, wherein  $\alpha$  is in the range of 0 volt to 1 volt.

13. (Currently Amended) A liquid crystal apparatus according to Claim 8, wherein the first and second transfer switches and [[the]] picture signal-supplying means are disposed on a common substrate with the active matrix substrate.

14. (Original) A liquid crystal apparatus according to Claim 13, wherein the active matrix substrate comprises an insulating substrate.

15. (Original) A liquid crystal apparatus according to Claim 13, wherein the active matrix substrate comprises a single crystal substrate.